

Exploring the Extreme			
2004 Mathematics			
Content Standards			
South Dakota Mathematics			
Grade 1			
Activity/Lesson	State	Standards	
Finding the Center of Gravity Using Rulers	SD	MA.1.1.M.1.5	Students are able to identify appropriate measuring tools for length, weight, capacity, and temperature.
Exploring the Extreme			
2004 Mathematics			
Content Standards			
South Dakota Mathematics			
Grade 7			
Activity/Lesson	State	Standards	
Center of Gravity, Pitch, Yaw	SD	MA.7.7.N.1.1.c	Analyze the structural characteristics of the real number system and its various subsystems. Analyze the concept of value, magnitude, and relative magnitude of real numbers. Include percents less than one and greater than 100.
Exploring the Extreme			
2004 Mathematics			
Content Standards			
South Dakota Mathematics			
Grade 8			
Activity/Lesson	State	Standards	
Jet Propulsion	SD	MA.8.8.A.4.1	Students are able to create rules to explain the relationship between numbers when a change in the first variable affects the second variable.
Vectoring	SD	MA.8.8.A.4.1	Students are able to create rules to explain the relationship between numbers when a change in the first variable affects the second variable.
Fuel Efficiency	SD	MA.8.8.A.4.1	Students are able to create rules to explain the relationship between numbers when a change in the first variable affects the second variable.